

ABSTRACT AMENDMENT

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ABSTRACT OF THE DISCLOSURE

An electrical connector system (200) is disclosed that includes a plurality of modular components. The modular components can include a receptacle housing (210, 503, 1410, 1610, 1810, 1910, 2162, 2610, 3010, 3410), a socket insert (212, 214, 400, 500), a socket electrical contact (410), a grounding spring (216, 218, 1916, 1918). The system includes matching orientation indicia on the polarization keys (220, 270) and housing windows (254) for viewing the indicia. The coupler (290) is slidably mounted on the plug assembly and include cam slots for causing mating and retraction of the plug (204) and receptacle (202) and also includes open position and engaged position indicator strips (2320, 2330, 2340). The system may include grounding springs (216, 218, 1916, 1918) for engaging the mounting panel and may be used with various types of backshells (2800, 2900 3100, 3200, 3300) including shield wire termination types. a male polarizing key (220, 222, 224, 1420, 1422, 1424 2400, 2402, 2404), a plug housing (260, 1560, 1561, 1760, 2360, 2361, 2760), a pin insert (262, 264, 300, 600, 700, 800, 900, 1000, 1100, 1200, 1300), a pin electrical contact (310), a female polarizing key (270, 272, 274, 2370, 2372, 2374, 2500, 2502, 2504), and a coupler (290, 2367). The modular components can be assembled into desired connector assemblies (202, 501, 1402, 1802, 1902, 2020, 2030, 2040, 2150, 2210, 2220, 2602, 3002, 3402, 4702, 4802, 4902, 204, 2304, 2704). The connector assemblies (202, 501, 1402, 1802, 1902, 2020, 2030, 2040, 2150, 2210, 2220, 2602, 3002, 3402, 4702, 4802, 4902, 204, 2304, 2704) can be mounted in various ways. Various types of backshells (2800, 2900, 3100, 3200, 3300, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600) can be used with the connector assemblies. The electrical connector system (200) can have several different configurations.